Work Order ID 52033

September 14, 2009 9:23:41 AM

Item ID:

D2137

Revision ID:

Item Name:

Decal - No Step

Start Date:

9/14/09

QC:

Start Qty: 30.00

Required Date: 9/18/09

Req'd Qty: 30.00



Accept



Setup Start



Page 1

Stop

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Start Run

Stop

Sequence ID/ Work Center ID

Operation Description Set Up/

Draw

Draw Plan Rev.

Accept Qty

Reject Reject Insp.

Draw Nbr

Revision Nbr

Run Hours

Number

Code

Qty

Number

Stamp

100

Purchasing

Purchasing

Memo Issue P/O 10 395 Make per Dwg 2137

0.00

0.00

CL 09/09/14

30

110

Packaging Packaging

Receive & Inspect for Damage & Mat'l Certs

0.00

0.00

les 9/9/18

120

Quality Control

QC6- Inspect dimensions to drawing

Memo

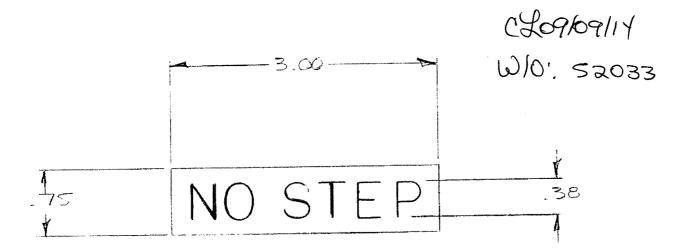
Memo

0.00

Dart Aerosp	ace	Ltd
--------------------	-----	-----

Dail Aci	ospace	LIU								
W/O:			M	ORK ORDER CHAN	GES					
DATE	STEP	PRO	OCEDURE CH	IANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	,									
				·						
Part No	:	PAR #:	Fault Ca	tegory:	NCR	: Yes N	lo DQ	A:	_ Date: _	
	R	esolution:	Disposit	ion:	QA:	N/C Clo	sed:		Date: _	
NCR:			WORK OR	DER NON-CONFORM	MANCE	(NCR)	1			,
DATE	STEP	Description of NC			ection B		Verific	cation	Approval	Approval
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	1	Sign & Date	Secti		Chief Eng	QC Inspector
							-			
1									1	

NOTE: Date & initial all entries



ALTERNATE MATERIAL. 3M 7 MR MASPINS F. AL #8522CP SILVER OR WESE ON TEACK

MATERIAL: 3M POLTESTER

MATURAL (SILVER OR

WHITE) ON BURCIS

. DOS THICK

i				,					MATERIAL	SPEC./VENDOR		
	REVISION				LL BE PER NAS 523	PART NO.	ITEM	DESCRIPTION	1			
	COAUM	THIS DRAWING IS PRIVATE AND CONFIDENTIAL AND IT IS NOT TO BE USED FOR ANY PURPOSE OR COM- WITHOUT THE PERMISSION OF DART AERO.	ALD ON COMMYNACTED AD VAN OLHER SERVON DIS STAAFED ON DIE EXSEEZZ CEMOLLING LIVY!	BASIC COOL	DIA, DASH MO. H-HEAD MEAR SIDE F+HEAD FAR SIDE	CONTRACT NO		DAF	DART AERO ACCES	SORIES INC.		
	APPROVED			0-04/51	1 1	DRAMPI /	741-1	, -				
		REQUIREMENTS UNLES GEMAL	SS OTHERMISE SPECIFIED	DIGIT-NO DE SHEETS C+COUNTERSHIK	CENGTH DASH NO W+SADTWELD	ough the	1 47					
	DESCRIPTION Of	5. DIMENSIONS ARE BY INCIRES 2. SUBSICE POLICIPIES STAY 3. REMOVE SHARP EDGES .015 MAX 4. REMOVE SHARP EDGES .0.15 MAX	3 SEMPLE POLICIONESS 1754 3 REMOVE SHARP EDGES :015 MAX	2 SLIPPCE POLICIPRESS 1714 3 REMOVE SHAPP EDGES .015 MAX 2 ANGLES 4 THURADS RIGH MM - 5 - 2742 3 PARALLELISM	YXX E .010 2 ANGLES 1 W" 8.1-MS20470AD 3 PARALLELISM 1 .0075 98-MS20424AD		CODES	STRESS	NESS .		ECAL-NO	STEP
	CHANGE	S. HOLES PER AND 10387	4 (CCENTRICTY .005 MAX 5 SYMMETRY ABOUT ALL MIC CENTRE LIPIES .005			CHECKEO		COOK	Dec 10 2 13			
		BEPORT	ALL DISCREPANCIES - DO NO	OT SCALE	•			l	SCALE 1 1 SHI	(0, 1]		



210 MAIN W.,

HAWKESBURY, ONT. K6A 2H6

Tel.: 613 632-2001 Fax: 613 632-9491 www.studiolettrage.com

No.:

12750

DATE:

INVOICE / FACTUF

09/18/2009

PAGE

1 of 1

Re: Quote No. 7610

VENDU À: SOLD TO:

Dart Aerospace Ltd

Hawkesbury, Ontario K6A 1K7

1270 Aberdeen

LIVRÉ À: SHIPPED TO:

Dart Aerospace Ltd

Hawkesbury, Ontario

ITEM QTY ARTICLE QYÉ	UNIT UNITÉ	DESCRIPTION	GST TPS	PST TVP	UNIT PRICE PRIX UNITÉ	AM MOI
ANTICLE GYE	ONNE		IPS	TVP	PRIX UNITE	MOI
	30	D2137 printing set up	G E		1.6667 50.0000	5: 5:
		E - GST @ 5% G - GST @ 5%; PST @ 8%				
		GST				:
		PST Exempt: #6122-5207				
		07 02 21				
		٥١ (٥٤ /١)				
·						
				Local Company		
Studio de Lettrage GST: #8	60034678PD004					
Gludio de Lettiage 951. #0	030040/0NF001				TOTAL	
PO 10395						10:

Sold By:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10395

Purchase Order Date 9/14/09 PO Print Date 9/14/09

Page Number 1 of 1

Order From:

STUDIO DE LETTRAGE 2001 210 MAIN WEST HAWKESBURY, ON K6A 2H6 CA

VC-STU001

Contact Name

Vendor Phone

613 632 5449

Vendor Fax

613 632 9491

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr Terms

10127-2607 Net 30

Currency

CAD

FOB

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line N	br Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable Unit o	Req Qty/ f Measure	Ship Method	Unit Price	Extended Price
	Vendor Part Number					13-33	
1	D2137P	Decal - No Step	9/18/09	30.00		\$5.0000	\$150.00
			Yes	Each			

Special Inst:

AS PER DWG D2137 REV. 00-09-05

B52033

PO Total:

\$150.00

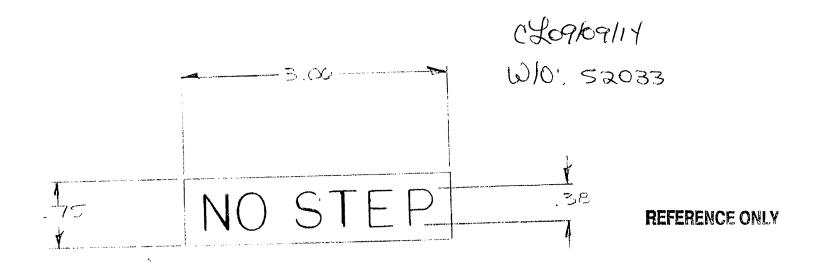
CERTIFICATE OF CONFORMITY REQ'D UPON DELIVERY

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

Change Date: 9/14/09



ALTERNATE MATERIALS

SM 7 ME MACHUEL FERRISCOF

SHOWER OF WORD AND FEACH.

CHEVER OF WORD AND FEACH.

MATERIAL: SM POLTESTER

MATCHAL (CILVER OF

WILLIE) CON BURCE

NOIHT EOO.

				RIVET CODE SHAL	or pro 445 622	PART NO.	ITEM	DESCR	PTION	MATERIAL	- MEMOON
	REVISION	THIS DRAWING IS PRIVATE AND CONFESCION AND	THE PERSON OF THE EXPRESS CONDITION THAT			CONTINUE NO				DART AERO ACCESSORIE	ES INC.
		THIS DRAWING IS PRIVATE AND CONFECTIVAL AND IT IS NOT TO BE USED FOR ANY PURPOSE OR CON WITHOUT THE PERMISSION OF DART AERO.	HE ON COMMUNICATED TO ANY OTHER PERSON	BASIC COOK	F-HEAD MEAR SHOP	l		DATE	DAR	VANCOUVER	CANADA
١	APPROVED	REQUIREMENTS UNIES	C OTHERWISE SPECIFIED	g-owni	LENGTH DASH NO	DAMA!	340	. 94			[
ļ		GMM	(mars	DIGITANO DE SINCETS CACOUNTERSMIC		DESIGN	7 4				
1	DESCRIPTION	S. DIMENSIONS ARE IN INCHES 2 SURFCE NOUGHFESS 1554	000, s XX 253448)301 1 010, s XXX	BASIC LINESZONZONO	CODES	STHESS		m	· M	TO OM - UMS =	7. t
	Of	3 REMOVE SHAAP EDGES DIS MAX	2 MICLES E 0075 4 (CCENTRICAY 005 MAX	88-M570476AD	 	CHCCKEO			¥ The second	Touc NO	PCV
	CHANGE	& HOLES PER AND TOTAL	S SYMMETRY ABOUT						•		
			ALL DISCREPANCIES - DO NO	DI SCALE		CLEM				SCAL SHI (OI	<u> </u>
		DE DOUL	ALL DISCREPANCIES — DO M	31 30 mile							

Product Bulletin 8522

3M

Release F, Effective January 2003 Black bar in margin indicates a change

Scotchcal [™] Opaque Imaging Media 8522

Description

This media is specially formulated to dry quickly after printing. Production of outdoor weatherable and long-term indoor durable graphics is now easier than ever. Its changeable adhesive allows easy removal for up to one year.

Advantages

- Optimized for use with selected Epson Stylus Proprinters and Epson Archival inks.
- Optimized for use with selected HP DesignJet Printers and HP DesignJet Ink System UV or HP83UV Color Ink System
- For making opaque, laminated graphics that are outdoor weatherable and long-term indoor durable
- Media:
 - For opaque (reflective) graphics
 - Changeable, easy to remove from warranted substrates up to 1 year later
 - Dries quickly after printing so the overlaminate can be applied almost immediately
 - Low slippage paper liner for superior tiling
- Overlaminates:
 - Provide additional UV (ultraviolet) and physical protection for making weatherable finished graphics
 - Available in luster and matte gloss
 - Adhesive allows for heat assisted or cold-temperature lamination

Applications and Uses

3M™ Scotchcal™ Changeable Opaque Imaging Media 8522 is intended only for ink jet printing and for use with the listed Compatible Products and Equipment and the following applications. Any other application is NOT warranted by 3M or covered by the worldwide 3M™ MCS™ Warranty unless 3M gives its prior written approval for the application.

- First surface images (the image is on top of the film) for opaque posters and signs, including:
 - Graphics for vans, personal vehicles, trucks and buses
 - Novelty posters
 - Retail and point-of-purchase displays
 - Information graphics such as maps and directories
 - Entertainment promotions in museums, zoos, parks, theatres, sports venues
 - Education and presentation graphics

- Legal and courtroom exhibits
- For flat or simple curved surfaces, with or without rivers, used in vertical (± 10°) applications

Limitations of End Uses

The following uses and applications are specifically NOT warranted.

- Fleet applications in areas that use salt for winter road maintenance
- Application to non-warranted substrates, including wallboard
- Applications subjected to gasoline vapors or spills
- Application to corrugated or highly irregular surfaces or sharply raised areas
- Graphics applied to stainless steel, including stainless steel vehicles
- On flat surfaces with rivets, tenting of 4 to 10 mm around rivets may be expected; rivets may be cut around to eliminate tenting.

Note: Standard ink jet technology is water based. Water-based chemistry is susceptible to the extremes of heat and humidity. This is a factor in most product constructions on the market. Read the Fabrication, Shelf Life and Storage sections in this bulletin. Staying in the middle of these ranges always provides optimum performance.

Compatible Products and Equipment

Thermal Ink Jet Printing Systems

- Epson Stylus Pro 9500, Stylus Pro 10000 printer
 - Epson Archival Inks
- Epson Stylus Pro 10600 printer
 - Epson Archival Inks
- HP DesignJet Printers 2000 and 3000 series
 - HP DesignJet Ink System UV (pigment-based ink)
- HP DesignJet Printers 5000 series
 - HP83UV Color Ink System

Overlaminates (required)

- 3M[™] Luster Overlaminate 8519 (semi-gloss)
- 3M[™] Matte Overlaminate 8520

Note: For the full product names of the 3M products listed on this page, please see page 1.

Warranted Substrates

Media 8522 is warranted for use on the following rigid substrates.

Some substrates may "out-gas", resulting in tiny bubbles throughout the surface of the graphic. For maximum performance, be sure the substrate you select is properly cleaned and prepared as recommended by the manufacturer. See Instruction Bulletin 5.1 for additional information.

- Alodine (anodized aluminum)
- Automotive panels (automotive painted steel)
- Fruehauf (painted aluminum)
- FRP (fiberglass reinforced plywood)
- Glass
- Imron® (polyurethane-painted metal panel)
- Acrylic
- Sintra ™ board

Test and Approve Non-warranted Substrates Before Use

Media 8522 is not warranted for any substrate other than those listed above. If you want to use it for other substrates, 3M recommends that you test and approve the media for both adhesion and removal characteristics.

Characteristics

Characteristic	Description
Media	7 mil, white, opaque graphic film
Liner	Low-slippage, lay flat paper
Adhesive	Changeable. pressure sensitive
Thickness (media and adhesive)	7.5 to 8 mil (nominal)
Application substrates	See Warranted Substrates, above
Application surfaces	Flat or simple curved surfaces, with or without rivets, used in vertical (± 10°) applications (no corrugations)
Application temperature range	28° to 110°F (¹ 2° to 43°C) (air and surface)
Roll sizes	36" x 45 feet (914 mm x 13.5 m) 54" x 45 feet (1372 mm x 13.5 m)

How to Become a 3M Ink Jet Registered Fabricator

Only 3M Thermal Ink Jet Registered Fabricators are eligible to offer 3M MCS warranted graphics. In order to become certified, a fabricator must complete the requirements as specified in the 3M Ink Jet Graphics Registered Fabricator Reference Manual located on the 3M website at www. scotchprint.com

Effective Performance Life

To obtain the warranty given below, the graphics must be made according to 3M's recommendations which are detailed in the Warranty and Limited Remedies on page 3. Also see the section, Removability.

Warranted Durability

Media 8522 with	Epson Pr	inters	HP Printers			
Overlaminate 8519 or 8520	Outdoor	indoor	Outdoor	Indoor		
Applied to Warranted Substrates	2 years	5 years	3 years	5 years		

Removability

Imaging media 8522 is removable from warranted substrates for 1 year without the aid of chemical strippers or accessories. Refer to Instruction Bulletin 4.23 for additional information.

Fabrication

Graphics must be made according to 3M's recommendations which are detailed in the Warranty and Limited Remedies on page 3.

See Instruction Bulletin 4.23 for detailed fabrication, printing and mounting information.

Graphic Construction Options

Opaque (Reflective) Graphics

Opaque graphics made with imaging media 8522 require an overlaminate and an opaque substrate.

Viewer/Light Source	
	Overlaminate 8519, 8520 Adhesive on bottom
	Imaging Media 8522 Image on top; adhesive on botton
	Opaque Substrate

Note: For the full product names of the 3M products listed on this page, please see page 1.

Shelf Life and Storage

- 3M [∞] Scotchcal [∞] Changeable Opaque Imaging Media 8522 has a shelf life of one year.
- Storage conditions (new and partially used rolls). For optimum performance, use the middle of these ranges:
 - Original packaging, including plastic wrap
 - Relative humidity of 20% to 80%
 - Temperature of 33° to 104°F (0° to 40°C)
 - Away from direct sunlight
- Do not stack unprotected rolls or lay sharp or heavy objects on them.

Health and Safety

∧ Caution

When handling any chemical products, read the manufacturers' container labels and the Material Safety Data Sheets (MSDS) for important health, safety and environmental information.

To obtain MSDS sheets for 3M products:

- By fax, call 1-800-364-0768 in the US and Canada or 1-650-556-8417 for all other locations.
- Electronically, visit us at http://www.3M.com/msds.
- By mail, or in case of an emergency, call 1-800-364-3577 or 1-651-737-6501.

When using any equipment, always follow the manufacturers' instructions for safe operation.

Warranty and Limited Remedies

3M MCS Warranty for Graphics Produced on HP DesignJet Printers and Epson Stylus Pro Printers

The following is made in lieu of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose: We warrant graphics produced by a 3M Ink Jet Registered Fabricator made with imaging media 8522, printed on an approved HP thermal ink jet printer according to HP's recommendations or Epson Stylus Pro printer according to Epson's recommendations, overlaminated with 8519 or 8520, and applied to a Warranted Substrate according to 3M's recommendations. These

graphics are covered against failure caused by ultraviolet light, temperature extremes, pollution, and other elements.

If a graphic fails to perform in accordance with 3M product specifications within this time frame, 3M will replace the materials at no charge. These remedies are exclusive. In no case shall 3M be liable for any direct, indirect, or consequential damages, including any labor charges.

3M Related Literature

Listed below is related 3M technical literature that may be of interest. You may view and print these Bulletins from our Web site at www.scotchprint.com, or order them via our Faxon-Demand (FOD) system. Call one of these phone numbers to order the desired bulletins, and specify the FOD document number provided in the chart.

United States or Canada: 1-800-364-0768 International: 1-651-732-6506

Subject	Bulletin No.	FOD No.					
Product Bulletins							
3M [™] Scotchcal [™] Overlaminate 8519 and 8520	8519/8520	4524					
Instruction Bulletins							
Making thermal ink jet graphics	4.23	6523					
Application, substrate selection, preparation and substrate-specific application techniques	5.1	7001					
Warranties							
Worldwide 3M ™ MCS ™ Warranty Packe (includes all Commercial Graphics MCS Wa	t rranties)	9503					
Worldwide 3M™ MCS™ Warranty Overvi		9504					

3M, Scotchcal and MCS are trademarks of 3M.

Epson and Stylus Pro are trademarks of Epson.

HP and DesignJet are tradenames of Hewlett Packard.

Sintra is a trademark of Swiss Aluminum Ltd.

Imron is a registered trademark of DuPont in the United States

Bulletin Change Summary

The Epson Stylus Pro Printers 9500, 10000 10600, and Epson Archival Inks have been added to this bulletin. Additional changes resulting from this addition are marked with black bars in the margin.

3M

Commercial Graphics Division 3M Center, Building 220-6W-06 PO Box 33220 St. Paul, MN 55133-3220 USA General Info. 1-800-374-6772 Technical Info. 1-800-328-3908 Fax 1-651-736-4233

3M Canada P.O. Box 5757 London, Ontario Canada N6A 4T1 1-800-265-1840 Fax 519-452-6245

Eax-on-Demand 1-800-364-0768 US/Canada or 1-651-732-6506 International Fax-on-Demand document: 4506 www.scotchprint.com

3M México, S.A. de C.V. Av. Santa Fe No. 55 Col. Santa Fe, Del. Alvaro Obregón México, D.F. 01210 52-55-52-70-04-00 Fax 52-55-52-70-22-77 3M Puerto Rico, Inc. Puerto Rico Industrial Park P.O. Box 100 Carolina, PR 00986-0100 787-620-3000 Fax 787-750-3035

©3M 2003. All rights reserved.

Product Bulletin 8522 – 3